Smart Schools Investment Plan - 050100010000V1

SSIP Overview

Page Last Modified: 04/27/2017

Group 1

1. **Please enter the name of the person to contact regarding this submission.**

    Thomas Bunn

    1a.   Please enter their phone number for follow up questions.

    3152558804

    1b.   Please enter their e-mail address for follow up contact.

    thomas_bunn@auburn.cnyric.org

2. **Please indicate below whether this is the first submission, a new or supplemental submission or an amended submission of a Smart Schools Investment Plan.**

    First submission

3. **All New York State public school districts are required to complete and submit a District Instructional Technology Plan survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.12 of the Commissioner's Regulations.   Districts that include investments in high-speed broadband or wireless connectivity and/or learning technology equipment or facilities as part of their Smart Schools Investment Plan must have a submitted and approved Instructional Technology Plan survey on file with the New York State Education Department.**

    By checking this box, you certify that the school district has an approved District Instructional Technology Plan survey on file with the New York State Education Department.

    ☑   District Educational Technology Plan Submitted to SED and Approved

4. **Pursuant to the requirements of the Smart Schools Bond Act, the planning process must include consultation with parents, teachers, students, community members, other stakeholders and any nonpublic schools located in the district.**

    By checking the boxes below, you are certifying that you have engaged with those required stakeholders. Each box must be checked prior to submitting your Smart Schools Investment Plan.

    ☑   Parents
    ☑   Teachers
    ☑   Students
    ☑   Community members

    4a.   If your district contains non-public schools, have you provided a timely opportunity for consultation with these stakeholders?

    ☑   Yes
    ☐   No
    ☐   N/A

5. **Certify that the following required steps have taken place by checking the boxes below: Each box must be checked prior to submitting your Smart Schools Investment Plan.**

    ☑   The district developed and the school board approved a preliminary Smart Schools Investment Plan.
    ☑   The preliminary plan was posted on the district website for at least 30 days. The district included an address to which any written comments on the plan should be sent.
    ☑   The school board conducted a hearing that enabled stakeholders to respond to the preliminary plan. This hearing may have occured as part of a normal Board meeting, but adequate notice of the event must have been provided through local media and the district website for at least two weeks prior to the meeting.
    ☑   The district prepared a final plan for school board approval and such plan has been approved by the school board.
    ☑   The final proposed plan that has been submitted has been posted on the district's website.

Page Last Modified: 04/27/2017

5a. **Please upload the proposed Smart Schools Investment Plan (SSIP) that was posted on the district's website, along with any supporting materials. Note that this should be different than your recently submitted Educational Technology Survey. The Final SSIP, as approved by the School Board, should also be posted on the website and remain there during the course of the projects contained therein.**

AECSD Smart Schools Investment Plan.pdf

5b. **Enter the webpage address where the final Smart Schools Investment Plan is posted. The Plan should remain posted for the life of the included projects.**

http://district.auburn.cnyric.org/SSBA

6. **Please enter an estimate of the total number of students and staff that will benefit from this Smart Schools Investment Plan based on the cumulative projects submitted to date.**

4,900

7. **An LEA/School District may partner with one or more other LEA/School Districts to form a consortium to pool Smart Schools Bond Act funds for a project that meets all other Smart School Bond Act requirements. Each school district participating in the consortium will need to file an approved Smart Schools Investment Plan for the project and submit a signed Memorandum of Understanding that sets forth the details of the consortium including the roles of each respective district.**

☐ The district plans to participate in a consortium to partner with other school district(s) to implement a Smart Schools project.

8. **Please enter the name and 6-digit SED Code for each LEA/School District participating in the Consortium.**

Partner LEA/District	SED BEDS Code
(No Response)	(No Response)

9. **Please upload a signed Memorandum of Understanding with all of the participating Consortium partners.**

(No Response)

10. **Your district's Smart Schools Bond Act Allocation is:**

$3,526,117

11. **Enter the budget sub-allocations by category that you are submitting for approval at this time. If you are not budgeting SSBA funds for a category, please enter 0 (zero.) If the value entered is $0, you will not be required to complete that survey question.**

	Sub-Allocations
School Connectivity	1,764,507
Connectivity Projects for Communities	0
Classroom Technology	1,761,428
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	0
Totals:	**3,525,935**

Smart Schools Investment Plan - 050100010000V1

School Connectivity

Page Last Modified: 05/18/2017

Group 1

1. **In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that:**
    *   **sufficient infrastructure that meets the Federal Communications Commission's 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or**
    *   **is a planned use of a portion of Smart Schools Bond Act funds, or**
    *   **is under development through another funding source.**

    Smart Schools Bond Act funds used for technology infrastructure or classroom technology investments must increase the number of school buildings that meet or exceed the minimum speed standard of 100 Mbps per 1,000 students and staff within 12 months. This standard may be met on either a contracted 24/7 firm service or a "burstable" capability. If the standard is met under the burstable criteria, it must be:

    1. Specifically codified in a service contract with a provider, and

    2. Guaranteed to be available to all students and devices as needed, particularly during periods of high demand, such as computer-based testing (CBT) periods.

    Please describe how your district already meets or is planning to meet this standard within 12 months of plan submission.

    Our Central New York Regional Information Center (CNYRIC), who acts as the District's Internet Service Provider, will be expanding our bandwidth to meet the minimum of requirement of 100 Mbps per 1,000 students and staff.

    1a. **If a district believes that it will be impossible to meet this standard within 12 months, it may apply for a waiver of this requirement, as described on the Smart Schools website. The waiver must be filed and approved by SED prior to submitting this survey.**

    ☐   By checking this box, you are certifying that the school district has an approved waiver of this requirement on file with the New York State Education Department.

2. **Connectivity Speed Calculator (Required)**

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	4,245	424,500	424.5	150	1Gb	6/30/2017

Page Last Modified: 05/18/2017

3. **Describe how you intend to use Smart Schools Bond Act funds for high-speed broadband and/or wireless connectivity projects in school buildings.**

The district plans to utilize Smart Schools Bond Act funds to implement a full scale wireless network overhaul within our District. The current status of our wireless network infrastructure only permits basic "walk-around" wireless coverage. Our plan calls for the addition of a state-of-the-art, robust, wireless infrastructure including access in outdoor educational spaces open during non-school hours.

The wireless install calls for the installation of two, redundant wireless controllers, wireless access point installed in every instructional space, as well as exterior wireless access points that will provide wireless coverage within all school grounds to faculty, staff and students. The current wireless network was designed using a coverage model. Our intent is to implement a density driven model using these funds to accommodate the entry of more personal technology.

As part of the upgrade to Cisco 5520 wireless controllers, we will be purchasing Cisco ONE (Cisco Software Support Service) which includes the following:

Cisco ONE Wireless LAN Controller licenses

Cisco ONE Prime Infrastructure Device License for Lifecycle & Assurance for WLAN – This software allows the District to manage the wireless equipment (controllers and access points) in the field. This would be an upgrade on the existing version.

Cisco ONE Identity Services Engine (ISE) – This software allows the District to manage wireless endpoints in the field. This would be a new license. We would be purchasing one year of coverage in our base quote, and the District would then purchase a five year contract through CNYRIC BOCES.

As part of the uninterruptible power supply (UPS) purchases, we are purchasing the physical unit with two battery packs, as well as a network monitoring card, along with the physical replacement/disposal of our existing UPS units. The replacement encompasses both our Network Operations Center at Auburn High School as well as all network closets throughout the District.

The "Rack Reconfiguration" details the physical work that needs to be done in our network closets to accommodate the new Cisco switches that are being installed as switches will need to be relocated to accommodate.

The "Power Modifications" that need to be complete is the electrical work required in each classroom to accommodate the interactive whiteboards. Interactive whiteboards require 120V power and therefore new power circuits will need to be provided.

4. **Describe the linkage between the district's District Instructional Technology Plan and the proposed projects. (There should be a link between your response to this question and your response to Question 1 in Part E. Curriculum and Instruction "What are the district's plans to use digital connectivity and technology to improve teaching and learning?)**

The student, instructor, and parental demand and expectation that classrooms have access to digital connectivity and technology are on the rise. These components are key to improving student engagement, increasing student achievement, increasing collaboration, creativity, and preparing the student for future college and career opportunities. Furthermore, the potential for 1:1 implementation of devices to further enhance the educational experience through a variety of media, augmented reality, and collaboration tools make access to the digital environment an integral part of the 21st century classroom and learning experience.

Our district currently has a 1:1 pilot at one of our elementary schools and at our alternative high school in an attempt to learn the most effective tools, methods, activities, and software to improve student engagement and learning. It is our desire that these pilot classrooms will serve as models for future classroom deployments throughout the district. These teachers will develop the instructional skills and techniques necessary to become turn-key trainers throughout the district and provide the professional development necessary to ensure proper implementation of a digital rich environment. Use of the Smart School Bond monies will be a key funding source to build the necessary network infrastructure, display devices, and collaborative learning communities needed to ensure that a culture of a deep and digitally rich student learning experience is realized.

The implementation of the wireless network overhaul will provide a rock solid infrastructure which provides the density requirements needed to implement a successful 1:1 device initiative. This infrastructure initiative will better prepare the district for computer-based testing. We are planning to field test NYS exams on computers during the Spring 2017 exam administration and will use the SSBA funding to prepare the district wireless infrastructure to accommodate the process.

The implementation of interactive whiteboards and short throw projectors bring an unprecedented level of technology to the classroom in which the District has never seen. These devices will deliver tremendous benefits directly to the classroom which directly align with our instructional goals laid out within our Instructional technology plan submitted earlier this year. Some of those benefits include multimedia lessons and presentations including audio and video; collaborative problem solving; the ability to showcase student projects and presentations; provide virtual field trips; record lessons that can be used at a later date or by substitute teachers and documentation of student achievement.

We feel that these projects, yielded by these funds fit perfectly with our instructional goals. These funds give us the jumpstart we need to integrate 21st century learning into the classrooms at the Auburn Enlarged City School District.

Smart Schools Investment Plan - 050100010000V1

School Connectivity

Page Last Modified: 05/18/2017

5. **If the district wishes to have students and staff access the Internet from wireless devices within the school building, or in close proximity to it, it must first ensure that it has a robust Wi-Fi network in place that has sufficient bandwidth to meet user demand.**

   Please describe how you have quantified this demand and how you plan to meet this demand.

   The district plans to utilize Smart Schools Bond Act funds to implement a full scale wireless network overhaul within our District. The current status of our wireless network infrastructure only permits basic "walk-around" wireless coverage. Our plan calls for the addition of a state-of-the-art, robust, wireless infrastructure including access in outdoor educational spaces open during non-school hours. The wireless install calls for the installation of two, redundant wireless controllers, wireless access point installed in every instructional space, as well as exterior wireless access points that will provide wireless coverage within all school grounds to faculty, staff and students. The current wireless network was designed using a coverage model. Our intent is to implement a density driven model using these funds to accommodate the entry of more personal technology.

6. **As indicated on Page 5 of the guidance, the Office of Facilities Planning will have to conduct a preliminary review of all capital projects, including connectivity projects.**
   Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
05-01-00-01-7-999-BA1
05-01-00-01-7-999-002

7. **Certain high-tech security and connectivity infrastructure projects may be eligible for an expedited review process as determined by the Office of Facilities Planning.**

   Was your project deemed eligible for streamlined review?

   Yes

   7a. **Districts that choose the Streamlined Review Process will be required to certify that they have reviewed all installations with their licensed architect or engineer of record and provide that person's name and license number. The licensed professional must review the products and proposed method of installation prior to implementation and review the work during and after completion in order to affirm that the work was code-compliant, if requested.**

   ☑ I certify that I have reviewed all installations with a licensed architect or engineer of record.

8. **Include the name and license number of the architect or engineer of record.**

Name	License Number
Philip W. Wise	16550

9. **If you are submitting an allocation for School Connectivity complete this table.**
   Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

Smart Schools Investment Plan - 050100010000V1

School Connectivity

Page Last Modified: 05/18/2017

	Sub-Allocation
Network/Access Costs	1,103,862
Outside Plant Costs	(No Response)
School Internal Connections and Components	660,645
Professional Services	(No Response)
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
Totals:	**1,764,507**

10. **Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be eligible for tax-exempt financing to be reimbursed through the SSBA. Sufficient detail must be provided so that we can verify this is the case. If you have any questions, please contact us directly through smartschools@nysed.gov.**
NOTE: Wireless Access Points should be included in this category, not under Classroom Educational Technology, except those that will be loaned/purchased for nonpublic schools.
Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	Network Switches	29	8,280	240,120
Network/Access Costs	Interior Wireless Access Points	439	1,104	484,656
Network/Access Costs	Exterior Wireless Access Points	33	2,622	86,526
Network/Access Costs	Wireless Controllers (Cisco 5520)	2	20,700	41,400
Connections/Components	Wireless Integration Services	472	73	34,692
Network/Access Costs	UPS - Medium	26	6,900	179,400
Network/Access Costs	UPS - Large	2	13,800	27,600
Network/Access Costs	Rack Reconfiguration	32	1,380	44,160
Connections/Components	HDMI cabling	359	552	198,168
Connections/Components	Power Modifications to display devices	359	626	224,734
Connections/Components	CAT 6A cabling	276	621	171,396
Connections/Components	CAT 6A cabling with difficult pathways	33	759	25,047
Connections/Components	Patch cables and installation(Lot)	944	7	6,608

Page Last Modified: 04/26/2017

Group 1

1. **Describe how you intend to use Smart Schools Bond Act funds for high-speed broadband and/or wireless connectivity projects in the community.**

   (No Response)

2. **Please describe how the proposed project(s) will promote student achievement and increase student and/or staff access to the Internet in a manner that enhances student learning and/or instruction outside of the school day and/or school building.**

   (No Response)

3. **Community connectivity projects must comply with all the necessary local building codes and regulations (building and related permits are not required prior to plan submission).**

   ☐   I certify that we will comply with all the necessary local building codes and regulations.

4. **Please describe the physical location of the proposed investment.**

   (No Response)

5. **Please provide the initial list of partners participating in the Community Connectivity Broadband Project, along with their Federal Tax Identification (Employer Identification) number.**

Project Partners	Federal ID #
(No Response)	(No Response)

6. **If you are submitting an allocation for Community Connectivity, complete this table.**
   Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Network/Access Costs	(No Response)
Outside Plant Costs	(No Response)
Tower Costs	(No Response)
Customer Premises Equipment	(No Response)
Professional Services	(No Response)
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
Totals:	**0**

7. **Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.**
   Add rows under each sub-category for additional items, as needed.

Smart Schools Investment Plan - 050100010000V1

Community Connectivity (Broadband and Wireless)

Page Last Modified: 04/26/2017

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

Smart Schools Investment Plan - 050100010000V1

Classroom Learning Technology

Page Last Modified: 05/18/2017

Questions

1. **In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that sufficient infrastructure that meets the Federal Communications Commission's 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or is a planned use of a portion of Smart Schools Bond Act funds, or is under development through another funding source.**

   Smart Schools Bond Act funds used for technology infrastructure or classroom technology investments must increase the number of school buildings that meet or exceed the minimum speed standard of 100 Mbps per 1,000 students and staff within 12 months. This standard may be met on either a contracted 24/7 firm service or a "burstable" capability. If the standard is met under the burstable criteria, it must be:

   1. Specifically codified in a service contract with a provider, and

   2. Guaranteed to be available to all students and devices as needed, particularly during periods of high demand, such as computer-based testing (CBT) periods.

   Please describe how your district already meets or is planning to meet this standard within 12 months of plan submission.

   Our Central New York Regional Information Center (CNYRIC), who acts as the District's Internet Service Provider, will be expanding our bandwidth to meet the minimum of requirement of 100 Mbps per 1,000 students and staff.

   1a. **If a district believes that it will be impossible to meet this standard within 12 months, it may apply for a waiver of this requirement, as described on the Smart Schools website. The waiver must be filed and approved by SED prior to submitting this survey.**

   ☐　By checking this box, you are certifying that the school district has an approved waiver of this requirement on file with the New York State Education Department.

2. **Connectivity Speed Calculator (Required)**

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	4,245	424,500	424.5	150	1Gb	6/30/2017

3. **If the district wishes to have students and staff access the Internet from wireless devices within the school building, or in close proximity to it, it must first ensure that it has a robust Wi-Fi network in place that has sufficient bandwidth to meet user demand.**

   Please describe how you have quantified this demand and how you plan to meet this demand.

   The district plans to utilize Smart Schools Bond Act funds to implement a full scale wireless network overhaul within our District. The current status of our wireless network infrastructure only permits basic "walk-around" wireless coverage. Our plan calls for the addition of a state-of-the-art, robust, wireless infrastructure including access in outdoor educational spaces open during non-school hours. The wireless install calls for the installation of two, redundant wireless controllers, wireless access point installed in every instructional space, as well as exterior wireless access points that will provide wireless coverage within all school grounds to faculty, staff and students. The current wireless network was designed using a coverage model. Our intent is to implement a density driven model using these funds to accommodate the entry of more personal technology.

Smart Schools Investment Plan - 050100010000V1

Classroom Learning Technology

Page Last Modified: 05/18/2017

4. **All New York State public school districts are required to complete and submit an Instructional Technology Plan survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.12 of the Commissioner's Regulations.**
   Districts that include educational technology purchases as part of their Smart Schools Investment Plan must have a submitted and approved Instructional Technology Plan survey on file with the New York State Education Department.

   ☑ By checking this box, you are certifying that the school district has an approved Instructional Technology Plan survey on file with the New York State Education Department.

5. **Describe the devices you intend to purchase and their compatibility with existing or planned platforms or systems. Specifically address the adequacy of each facility's electrical, HVAC and other infrastructure necessary to install and support the operation of the planned technology.**

   The District intends to purchase Promethean ActivBoard interactive whiteboards, and Epson ultra short throw projectors to replace existing whiteboards and outdated Promethean interactive whiteboard technologies. The only infrastructure needed to install the interactive whiteboard and projectors are power for both items and cabling for the projector inputs.
   The District has already worked with technicians and a technology planning specialist from Promeathean and has determined what additions are needed to support the new equipment.

6. **Describe how the proposed technology purchases will:**
   > **enhance differentiated instruction;**
   > **expand student learning inside and outside the classroom;**
   > **benefit students with disabilities and English language learners; and**
   > **contribute to the reduction of other learning gaps that have been identified within the district.**

   The expectation is that districts will place a priority on addressing the needs of students who struggle to succeed in a rigorous curriculum. Responses in this section should specifically address this concern and align with the district's Instructional Technology Plan (in particular Question 2 of E. Curriculum and Instruction: "Does the district's instructional technology plan address the needs of students with disabilities to ensure equitable access to instruction, materials and assessments?" and Question 3 of the same section: "Does the district's instructional technology plan address the provision of assistive technology specifically for students with disabilities to ensure access to and participation in the general curriculum?"

   The District's instructional technology, along with the SMART Schools investment plan does not separate the learning needs of students into categories of general and special education. The District believes it has the responsibility to provide equitable and adequate access to instruction, materials, and assessments to all students. Thanks in part to a full time Staff Developer along with a newly established Learning Technology initiative, the District has already begun the process of migrating its learning experiences to a digital platform. Teachers use their classrooms websites, Google Classroom and Google Apps for Education, SchoolTool parent portal, and social media to engage learners in a manner in which they are most comfortable and which is the most conducive to their learning style, while extending the classroom and learning experiences across traditional boundaries. Some classrooms continue to utilize Promethean interactive whiteboards which advanced our abilities to provide differentiated instruction and expand student learning inside and outside of the classroom, supporting both our general and special education students. These whiteboards, which were installed nine years ago, are now aged and limited in their capacity to continue to support the needs of 21st century learning. The technology and feature set available in the Promethean interactive whiteboards are very similar to that of our existing Promethean boards, they would just have the latest and greatest hardware and would give both teachers and students to instantly communicate and collaborate thanks to the advanced Promethean ActivConnect software. The District will have the assurance that these boards will provide a technical experience for our students for many years to come. The Promethean board in tandem with ClassFlow and ActivConnect allow educators to assess student learning in real time, allowing them to make individual modifications to student learning experiences. As a result, educations can close or eliminate learning gaps more quickly. The Epson ultra-short throw projector also delivers new technology allowing anyone to connect wirelessly to the projector on demand. This allows more flexibility in the classroom and by combining these technologies into the classroom allow for new learning experiences for all of our students.

   The Auburn Enlarged City School District's core values include equity and access. Equitable access to digital tools and information is an essential goal of our instructional technology plan and the Smart Schools investment plan. Interactive whiteboards, wireless network connectivity, and ultra-short throw projectors will be provided to the general education population, but we will ensure as a district that this technology will be equally beneficial to our special education students. The Promethean interactive whiteboards that we have elected to purchase, are of an open architecture, meaning anything that can run on a Mac or Windows operating system, can be accessible on the interactive whiteboard. This means teaching staff can utilize existing applications, along with built in accessibility within the interactive whiteboard to seamlessly develop new lesson plans with students. They can also select from new software that may work better on a new larger interactive whiteboard, contrary to what they had in the past.

   In addition we also plan on meeting and exceeding the technology needs of our ELL students with the interactive whiteboards. The Promethean interactive whiteboards allow us to engage students with all learning styles, and facilitate differentiated instruction. These boards also help students improve language skills through group collaboration which is possible with the interactive whiteboards we have selected. By integrating software into the open framework of the interactive whiteboard we will be able to create visually engaging and easy to comprehend lessons all while having the ability to assess understanding instantly, as well as track results and enhance learning outcomes like never before with the purchase of this Smart Schools funding.

   Special education teachers will also receive professional development and support in the areas of assistive technology. We will work with our in house Staff Developer to ensure that we are adequately meeting the needs of all students in our district. The availability and access to technology will serve to enhance teachers' abilities to differentiate instruction and meet the needs of diverse students.

Page Last Modified: 05/18/2017

7. **Where appropriate, describe how the proposed technology purchases will enhance ongoing communication with parents and other stakeholders and help the district facilitate technology-based regional partnerships, including distance learning and other efforts.**

The District has already begun the process of migrating its learning experiences to a digital platform. Teachers use their classrooms websites, Google Classroom and Google Apps for Education, SchoolTool parent portal, and social media to engage learners in a manner in which they are most comfortable and which is the most conducive to their learning style, while extending the classroom and learning experiences across traditional boundaries. Some classrooms continue to utilize Promethean interactive whiteboards which advanced our abilities to provide differentiated instruction and expand student learning inside and outside of the classroom, supporting both our general and special education students. These whiteboards, which were installed nine years ago, are now aged and limited in their capacity to continue to support the needs of 21st century learning. The technology and feature set available in the Promethean interactive whiteboard are very similar to that of the Promethean, with one major exception. Software and hardware have advanced by leaps and bounds. The District will have the assurance that these boards will provide a technical experience for our students for many years to come. The Promethean board in tandem with ClassFlow and ActivConnect allow educators to assess student learning in real time, allowing them to make individual modifications to student learning experiences. As a result, educations can close or eliminate learning gaps more quickly. The whiteboards will provide distance learning experiences by allowing teachers to present and capture their lesson by either utilizing screen or video capture and uploading that into their Google Drive with the click of a button. Additionally, these lessons can be imported into our online video platform, Ensemble video, so students can access these lessons on demand at anytime. These technologies will assist to bridge the home to school technology access gap that exist for students.

8. **Describe the district's plan to provide professional development to ensure that administrators, teachers and staff can employ the technology purchased to enhance instruction successfully.**

   Note: This response should be aligned and expanded upon in accordance with your district's response to Question 1 of F. Professional Development of your Instructional Technology Plan: "Please provide a summary of professional development offered to teachers and staff, for the time period covered by this plan, to support technology to enhance teaching and learning. Please include topics, audience and method of delivery within your summary."

   At the Auburn Enlarged City School District, it is understood that good teachers never stop learning. There are always new areas to explore in the practice of teaching. One fresh innovation can make all the difference to both the teacher and student experience. Teachers are our priority because when they succeed, their students succeed. We operate with the motto that the next professional learning opportunity taken could very well be the most important one.

   Technology integration in our classrooms is an ongoing mission for our school district. By providing technology workshops to all faculty and staff on a consistent monthly basis, we are striving to meet the need for continuous education and improvement. Training is designed to meet the needs of educators of all levels of expertise and is differentiated in order to meet the needs of diverse learners. Teachers are fully utilizing technology workshops offered to them by the school district. We have delivered learning sessions involving Google School for Education and its associated applications, School Website Design and Classroom Integration, iWorks, Microsoft Office, Promethean Boards, iOS devices and other miscellaneous topics.

   Our Professional Developers provide continuous, ongoing support throughout the year, such as follow-up meetings, modeling, co-teaching of classes, mentoring and opportunities for additional training. During workshops, teachers are provided the opportunity to listen to the ideas of their peers and to exchange and discuss teaching practices, which in turn, helps to improve classroom instruction.

   Working with Professional Developers, teachers cultivate the knowledge and skills necessary to design and implement differentiated instructional and assessment strategies that help to meet diverse student learning needs.

   Additionally, the use of technology strengthens the communication between parents and families. By integrating baseline and summative testing, educators learn how to analyze, collect, and report on several sources of student data throughout the year. Educators are also able to view and analyze results of local and state assessments.

   Professional development that is provided ensures ongoing technology to both teachers and students. This training provides educators an opportunity to apply these technologies to create new learning environments for their students. Educators are able to evaluate the effectiveness of the instruction and monitor student learning. Professional development encourages educators to use available technology to engage students in relevant and innovative ways.

   Professional development offers multiple formats to enhance the learning experience of both educators and teachers and ensures ongoing growth in the quality of the technology experience. We recognize the outstanding benefits that effective technology integration brings to our students, so by providing these workshops, teachers can develop and fine-tune their 21st Century skills.

   In order to deliver these workshops in a manner that is accommodating and effective, the District has developed a plan to ensure that needs of our faculty in terms of integrating technology within the classroom are identified, met and exceeded. We start by identifying dates throughout the year where our staff developer can deliver activities and opportunities to our staff through many different types of learning environments. We host these events during our Superintendent Conference days, faculty meetings, workshops, after school, during faulty planning time, department meetings, and team meetings. We also have the ability to deliver live one on one training using collaborative software like the Zoom client, we use Ensemble video to archive sessions that have already taken place that can be reviewed at any time. We continually adjust our approach and lessons to adapt to the needs of our faculty and staff. For example, new faculty may need PD in new software the District utilizes such as Google Classroom, Google Apps for Education, Moodle, etc… Other faculty may wish to explore PD in the flipped classroom or social media. This is why it is so critical to understand the needs of the faculty and to offer PD strictly based on these needs. This is why it is important to continue to shape our PD offerings on an ongoing basis, expand the capacity of our in house turnkey trainers, while being flexible in how we offer PD to our faculty and staff.

9. **Districts must contact the SUNY/CUNY teacher preparation program that supplies the largest number of the district's new teachers to request advice on innovative uses and best practices at the intersection of pedagogy and educational technology.**

   ☑ By checking this box, you certify that you have contacted the SUNY/CUNY teacher preparation program that supplies the largest number of your new teachers to request advice on these issues.

Smart Schools Investment Plan - 050100010000V1

Classroom Learning Technology

Page Last Modified: 05/18/2017

9a. **Please enter the name of the SUNY or CUNY Institution that you contacted.**

SUNY Cortland

9b. **Enter the primary Institution phone number.**

607-753-2706

9c. **Enter the name of the contact person with whom you consulted and/or will be collaborating with on innovative uses of technology and best practices.**

Christine Widdall

10. A district whose Smart Schools Investment Plan proposes the purchase of technology devices and other hardware must account for nonpublic schools in the district.

Are there nonpublic schools within your school district?

☑ Yes
☐ No

10a. **Describe your plan to loan purchased hardware to nonpublic schools within your district. The plan should use your district's nonpublic per-student loan amount calculated below, within the framework of the guidance. Please enter the date by which nonpublic schools must request classroom technology items. Also, specify in your response the devices that the nonpublic schools have requested, as well as in the in the Budget and the Expenditure Table at the end of the page.**

All of our five non-public schools within our District were contacted multiple times. Only St. John Paul responded to the initial request for interest to participate in Smart Schools. They were aware for this bond act and were not prepared to provide a list of equipment they would like to use. The district will adopt a resolution specifying that the annual date for requests of technology be received by the district by June 1st of each year of the program. St. John Paul plans to make requests before the next deadline in the spring.

10b. **A final Smart Schools Investment Plan cannot be approved until school authorities have adopted regulations specifying the date by which requests from nonpublic schools for the purchase and loan of Smart Schools Bond Act classroom technology must be received by the district.**

☑ By checking this box, you certify that you have such a plan and associated regulations in place that have been made public.

11. **Nonpublic Classroom Technology Loan Calculator**
The Smart Schools Bond Act provides that any Classroom Learning Technology purchases made using Smart Schools funds shall be lent, upon request, to nonpublic schools in the district. However, no school district shall be required to loan technology in amounts greater than the total obtained and spent on technology pursuant to the Smart Schools Bond Act and the value of such loan may not exceed the total of $250 multiplied by the nonpublic school enrollment in the base year at the time of enactment.
See:
http://www.p12.nysed.gov/mgtserv/smart_schools/docs/Smart_Schools_Bond_Act_Guidance_04.27.15_Final.pdf.

	1. Classroom Technology Sub-allocation	2. Public Enrollment (2014-15)	3. Nonpublic Enrollment (2014-15)	4. Sum of Public and Nonpublic Enrollment	5. Total Per Pupil Sub-allocation	6. Total Nonpublic Loan Amount
Calculated Nonpublic Loan Amount	1,761,428	4,245	308	4,553	370	77,000

Smart Schools Investment Plan - 050100010000V1

Classroom Learning Technology

Page Last Modified: 05/18/2017

12. **To ensure the sustainability of technology purchases made with Smart Schools funds, districts must demonstrate a long-term plan to maintain and replace technology purchases supported by Smart Schools Bond Act funds. This sustainability plan shall demonstrate a district's capacity to support recurring costs of use that are ineligible for Smart Schools Bond Act funding such as device maintenance, technical support, Internet and wireless fees, maintenance of hotspots, staff professional development, building maintenance and the replacement of incidental items. Further, such a sustainability plan shall include a long-term plan for the replacement of purchased devices and equipment at the end of their useful life with other funding sources.**

☑ By checking this box, you certify that the district has a sustainability plan as described above.

13. **Districts must ensure that devices purchased with Smart Schools Bond funds will be distributed, prepared for use, maintained and supported appropriately. Districts must maintain detailed device inventories in accordance with generally accepted accounting principles.**

☑ By checking this box, you certify that the district has a distribution and inventory management plan and system in place.

14. **If you are submitting an allocation for Classroom Learning Technology complete this table.**

Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Interactive Whiteboards	1,684,428
Computer Servers	(No Response)
Desktop Computers	(No Response)
Laptop Computers	4,500
Tablet Computers	(No Response)
Other Costs	72,500
Totals:	**1,761,428**

15. **Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.**

Please specify in the "Item to be Purchased" field which specific expenditures and items are planned to meet the district's nonpublic loan requirement, if applicable.

NOTE: Wireless Access Points that will be loaned/purchased for nonpublic schools should ONLY be included in this category, not under School Connectivity, where public school districts would list them.

Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Interactive Whiteboards	Display devices	359	4,692	1,684,428
Laptop Computers	Chromebooks(nonpub)	18	250	4,500
Other Costs	Undecided(nonpub)	290	250	72,500

Smart Schools Investment Plan - 050100010000V1

Pre-Kindergarten Classrooms

Page Last Modified: 04/26/2017

Group 1

1. **Provide information regarding how and where the district is currently serving pre-kindergarten students and justify the need for additional space with enrollment projections over 3 years.**

   (No Response)

2. **Describe the district's plan to construct, enhance or modernize education facilities to accommodate pre-kindergarten programs. Such plans must include:**

   - Specific descriptions of what the district intends to do to each space;
   - An affirmation that pre-kindergarten classrooms will contain a minimum of 900 square feet per classroom;
   - The number of classrooms involved;
   - The approximate construction costs per classroom; and
   - Confirmation that the space is district-owned or has a long-term lease that exceeds the probable useful life of the improvements.

   (No Response)

3. **Smart Schools Bond Act funds may only be used for capital construction costs. Describe the type and amount of additional funds that will be required to support ineligible ongoing costs (e.g. instruction, supplies) associated with any additional pre-kindergarten classrooms that the district plans to add.**

   (No Response)

4. **All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.**

   Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
(No Response)

5. **If you have made an allocation for Pre-Kindergarten Classrooms, complete this table.**
   Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Construct Pre-K Classrooms	(No Response)
Enhance/Modernize Educational Facilities	(No Response)
Other Costs	(No Response)
Totals:	**0**

6. **Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.**
   Add rows under each sub-category for additional items, as needed.

Smart Schools Investment Plan - 050100010000V1

Pre-Kindergarten Classrooms

Page Last Modified: 04/26/2017

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

Smart Schools Investment Plan - 050100010000V1

Replace Transportable Classrooms

Page Last Modified: 04/26/2017

Group 1

1. **Describe the district's plan to construct, enhance or modernize education facilities to provide high-quality instructional space by replacing transportable classrooms.**

   (No Response)

2. **All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.**

   Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
(No Response)

3. **For large projects that seek to blend Smart Schools Bond Act dollars with other funds, please note that Smart Schools Bond Act funds can be allocated on a pro rata basis depending on the number of new classrooms built that directly replace transportable classroom units.**

   If a district seeks to blend Smart Schools Bond Act dollars with other funds describe below what other funds are being used and what portion of the money will be Smart Schools Bond Act funds.

   (No Response)

4. **If you have made an allocation for Replace Transportable Classrooms, complete this table.**
   Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Construct New Instructional Space	(No Response)
Enhance/Modernize Existing Instructional Space	(No Response)
Other Costs	(No Response)
Totals:	**0**

5. **Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.**
   Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

Smart Schools Investment Plan - 050100010000V1

High-Tech Security Features

Page Last Modified: 04/26/2017

Group 1

1. **Describe how you intend to use Smart Schools Bond Act funds to install high-tech security features in school buildings and on school campuses.**

    (No Response)

2. **All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.**

    Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
(No Response)

3. **Was your project deemed eligible for streamlined Review?**

    ☐ Yes
    ☐ No

4. **Include the name and license number of the architect or engineer of record.**

Name	License Number
(No Response)	(No Response)

5. **If you have made an allocation for High-Tech Security Features, complete this table.**

    Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Capital-Intensive Security Project (Standard Review)	(No Response)
Electronic Security System	(No Response)
Entry Control System	(No Response)
Approved Door Hardening Project	(No Response)
Other Costs	(No Response)
Totals:	**0**

6. **Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.**

    Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

Status Date: 05/18/2017 02:15 PM

Page Last Modified: 04/26/2017

Status Date: 05/18/2017 02:15 PM

Page Last Modified: 04/26/2017

Page Last Modified: 04/26/2017